Application No.:
Art Unit:

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

1. (original) A silencer for a passage comprising:

a soft acoustic section soft in acoustics where a sound pressure at an inner wall surface of the passage becomes approximately zero; and

a non-soft acoustic section where the sound pressure at the inner wall surface of the passage does not become zero,

wherein said soft acoustic section and said non-soft acoustic section are arranged alternately on the inner wall surface of the passage along a longitudinal direction of the passage over an approximately half or greater of a wavelength of a sound wave to be silenced.

2. (currently amended) A silencer for a passage comprising:

a partition wall for dividing the passage such that an opening width of the passage becomes a half or smaller of a wavelength of a sound wave to be silenced;

a soft acoustic section soft in acoustics where a sound pressure at a wall surface of the partition wall becomes approximately zero; and

a non-soft acoustic section where the sound pressure at the wall surface does not become zero,

wherein said soft acoustic section and said non-soft acoustic section are arranged alternately on both side wall surfaces of the partition wall along a longitudinal direction of

Application No.:

Art Unit:

the passage over an approximately half or greater of the wavelength of the sound wave to be silenced.

- 3. (currently amended) The silencer for passage according to claim 1 or claim 2, wherein said soft acoustic section is formed of an a first acoustic pipe having a length from an a first open end portion disposed on [[a]] the inner wall surface to and a first closed end portion opposite to the first open end portion, said first acoustic pipe having a first length from the first end portion to the first closed portion equal to approximately 1/4 of the wavelength of the sound wave to be silenced.
- 4. (currently amended) The silencer for a passage according to claim 3, wherein said  $\underline{\text{first}}$  acoustic pipe has the  $\underline{\text{first}}$  open end  $\underline{\text{portion}}$  thereof covered with a film.

## 5. (canceled)

- 6. (currently amended) The silencer for passage according to any one of claims 1 to 5 claim 1, wherein said non-soft acoustic section is formed of a sound absorbing member reducing the sound pressure.
- 7. (currently amended) A silencer for a passage having a rectangular cross section, comprising:

first silencing means units mounted on one of two pairs of inner wall surfaces of the passage facing oppositely with each other; and

second silencing means units having silencing property different from that of the first silencing means units and mounted on the other of the two pairs of the inner wall surfaces,

Application No.: Page 10
Art Unit:

wherein <u>each of</u> said first silencing <u>means units</u> is configured such that a soft acoustic section soft in acoustics where a sound pressure at the inner wall surfaces of the passage becomes approximately zero and a non-soft acoustic section where the sound pressure at the inner wall surfaces of the passage does not become zero are alternately arranged along a longitudinal direction of the passage over an approximately half or greater of a wavelength of a sound wave to be silenced.

8. (currently amended) A silencer for a passage having a rectangular cross section, comprising:

a partition wall for dividing the passage such that an opening width <a href="thereof">thereof</a> becomes a half or smaller of a wavelength of a sound wave to be silenced so as to form a plurality of miniaturized passages <a href="each">each</a> having a rectangular cross section inside the passage;

first silencing <u>means units</u> mounted on one of two pairs of inner wall surfaces <u>of at least one</u> of the miniaturized passages facing oppositely with each other; and

second silencing <u>means units</u> having silencing property different from that of the first silencing <u>means units</u> and mounted on the other of the two pairs of the inner wall surfaces,

wherein <u>each of</u> said first silencing <u>means units</u> is configured such that a soft acoustic section soft in acoustics where a sound pressure at the inner wall surfaces becomes approximately zero and a non-soft acoustic section where the sound pressure at the inner wall surfaces does not becomes zero are alternately arranged along a longitudinal direction of the passage over an approximately half or greater of the wavelength of the sound wave to be silenced.

Application No.:
Art Unit:

- 9. (currently amended) The silencer for a passage according to claim 7 or claim 8, wherein said soft acoustic section is formed of [[an]] a first acoustic pipe having a length from an a first open end portion disposed on at least one of the inner wall surfaces to and a first closed end portion opposite to the first open end portion, said first acoustic pipe having a first length from the first open end portion to the first closed end portion equal to approximately 1/4 of the wavelength of the sound wave to be silenced.
- 10. (currently amended) The silencer for a passage according to claim 9, wherein said <u>first</u> acoustic pipe has the <u>first</u> open end <u>portion</u> covered with a film.

## 11. (canceled)

- 12. (currently amended) The silencer for <u>a</u> passage according to <del>any one of claims 7 to 11</del> <u>claim 7</u>, wherein <u>each of</u> said second silencing <u>means units</u> includes a sound absorbing section formed on the inner wall surfaces for reducing the sound pressure of the sound wave to be silenced.
- 13. (new) The silencer for a passage according to claim 2, wherein said soft acoustic section is formed of a first acoustic pipe having a first open end portion disposed on the wall surface and a first closed end portion opposite to the first open end portion, said first acoustic pipe having a first length from the first open end portion to the first closed end portion equal to approximately 1/4 of the wavelength of the sound wave to be silenced.

Application No.:
Art Unit:

14. (new) The silencer for a passage according to claim 13, wherein said first acoustic pipe has the first open end portion covered with a film.

- 15. (new) The silencer for a passage according to claim 1, wherein said non-soft acoustic section is formed of a second acoustic pipe having a second closed end portion disposed on the inner wall surface and a second open end portion opposite to the second closed end portion, said second acoustic pipe having a second length from the second open end portion to the second closed end portion equal to approximately 1/4 of the wavelength of the sound wave to be silenced.
- 16. (new) The silencer for a passage according to claim 2, wherein said non-soft acoustic section is formed of a second acoustic pipe having a second closed end portion disposed on the wall surface and a second open end portion opposite to the second closed end portion, said second acoustic pipe having a second length from the second open end portion to the second closed end portion equal to approximately 1/4 of the wavelength of the sound wave to be silenced.
- 17. (new) The silencer for a passage according to claim 2, wherein said non-soft acoustic section is formed of a sound absorbing member reducing the sound pressure.
- 18. (new) The silencer for a passage according to claim 8, wherein said soft acoustic section is formed of a first acoustic pipe having a first open end portion disposed on at least one of the inner wall surfaces and a first closed end portion opposite to the first open end portion, said first acoustic pipe having a

Application No.:

Art Unit:

first length from the first open end portion to the first closed end portion equal to approximately 1/4 of the wavelength of the sound wave to be silenced.

- 19. (new) The silencer for a passage according to claim 18, wherein said first acoustic pipe has the first open end portion covered with a film.
- 20. (new) The silencer for a passage according to claim 7, wherein said non-soft acoustic section is formed of a second acoustic pipe having a second closed end portion disposed on at least one of the inner wall surfaces and a second open end portion opposite to the second closed end portion, said second acoustic pipe having a second length from the second open end portion to the second closed end portion equal to approximately 1/4 of the wavelength of the sound wave to be silenced.
- 21. (new) The silencer for a passage according to claim 8, wherein said non-soft acoustic section is formed of a second acoustic pipe having a second closed end portion disposed on at least one of the inner wall surfaces and a second open end portion opposite to the second closed end portion, said second acoustic pipe having a second length from the second open end portion to the second closed end portion equal to approximately 1/4 of the wavelength of the sound wave to be silenced.
- 22. (new) The silencer for <u>a</u> passage according to claim 8, wherein each of said second silencing units includes a sound absorbing section formed on the inner wall surfaces for reducing the sound pressure of the sound wave to be silenced.